

Gracefruit Ltd

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[www.gracefruit.com](http://www.gracefruit.com)

VAT Number: 935 8115 14

EORI Number: GB9358 1151 4000

Company Number: SC374368



# Certificate of Analysis

**Description:** Safflower Oil, CP, Organic

**Lot No:** 105706

**Inci Name:** Carthamus Tinctorius (Safflower) Seed Oil

**Cas No:** 8001-23-8

**Einecs No:** 232-276-5

ANALYTICAL DETAILS	RANGE	RESULT
APPEARANCE	Clear	Complies
TASTE	Characteristic	Complies
COLOUR	Orange	Complies
ODOUR	Characteristic	Complies
SPECIFIC GRAVITY @ 20°C	0.917 – 0.924	0.920
REFRACTIVE INDEX @ 20°C	1.460 – 1.479	1.472
ACID VALUE	≤ 10.0	0.54
IODINE VALUE (CALC)	136 - 152	145.8
PEROXIDE VALUE (Meq / kg)	≤ 20.0	5.4
UNSAPONIFIABLE MATTER	≤ 2.0	0.56
SAPONIFICATION VALUE	180 - 200	193.2

	ACID NAME	C-CHAIN	RANGE	RESULT
<b>FATTY ACID PROFILE (MAJOR ACIDS)</b>	MYRISTIC	C14:0	≤ 0.2	0.10
	PALMITIC	C16:0	4.0 – 10.0	6.11
	STEARIC	C18:0	1.0 – 5.0	3.29
	OLEIC	C18:1	8.0 – 21.0	12.75
	LINOLEIC	C18:2	68.0 – 83.0	76.51
	ALPHA LINOLENIC	C18:3	≤ 0.5	0.25
	ICOSANOIC	C20:0	≤ 0.5	0.23
	ICOSENOIC	C20:1	≤ 0.5	0.19
	DOCOSANOIC	C22:0	≤ 1.0	0.20
	OTHERS		≤ 1.0	0.66

Date Produced: February 2015

Best Before: February 2017

R00364  
19/02/2015